

Missy Cummings - Bio

Mary (Missy) Cummings received her B.S. in Mathematics from the United States Naval Academy in 1988, her M.S. in Space Systems Engineering from the Naval Postgraduate School in 1994, and her Ph.D. in Systems Engineering from the University of Virginia in 2004. A naval officer and military pilot from 1988-1999, she was one of the Navy's first female fighter pilots. She is currently an Associate Professor in the Aeronautics & Astronautics Department at the Massachusetts Institute of Technology, and she is the director of the Humans and Automation Laboratory (halab.mit.edu). She holds joint appointments with the MIT Engineering Systems Division and the Computer Science and Artificial Intelligence Laboratory (CSAIL). Her previous teaching experience includes instructing for the U.S. Navy at Pennsylvania State University and as an assistant professor for the Virginia Tech Engineering Fundamentals Division. Her research interests include human interaction with autonomous vehicle systems, modeling human interaction with complex systems, decision support design for time-pressured, uncertain systems, and the ethical and social impact of technology.